Intalional Application No PCT/US 03/28527

A. CLASSIFICATION OF SUBJECT MAT IPC 7 A61K31/4422	61P9/12

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) $IPC\ 7\ A61K\ A61P$

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, BIOSIS, EMBASE, WPI Data, PAJ

ategory °	ENTS CONSIDERED TO BE RELEVANT Citation of document, with Indication, where appropriate, of the	e relevant passages	Relevant to dalm No.
ategory	Citation of document, with more appropriate, or an		
Ρ,Χ	WO 03/062201 A (VITTAL MALLYA RESEARCH FOUNDATION, INDIA) 31 July 2003 (2003-07-31) the whole document page 48, line 22	SCIENTIFIC	1-5,7,8
X	KUMAR P P ET AL: "Synthesis a evaluation of a new class of N analogs with T-type calcium ch blocking activity" MOLECULAR PHARMACOLOGY, BALTIM vol. 61, no. 3, March 2002 (20 pages 649-658, XP002237191 ISSN: 0026-895X the whole document	lifedipine nannel NORE, MD, US, NO2-03),	1-5,7,8
X Furt	her documents are listed in the continuation of box C.	Z Patent family members are listed	In annex.
Special ca	ategories of cited documents :	"T" later document published after the int	ernational filing date
cansia	ent defining the general state of the art which is not dered to be of particular relevance	or priority date and not in conflict with cited to understand the principle or th invention	the application but seary underlying the
filing o "L" docume which citatio	ant which may throw doubts on priority clalm(s) or is cited to establish the publication date of another on or other special reason (as specified)	"X" document of particular relevance; the carnot be considered novel or cannot in the considered novel or cannot in the carnot be carnot be carnot be carnot be carnot be carnot be combined with one or in document is combined with one or in	ot be considered to becument is taken alone claimed invention
other	ent referring to an oral disclosure, use, exhibition or means	document is combined with one or m ments, such combination being abvir in the art.	ore other such docu- ous to a person skilled
"P" docum later t	ent published prior to the international filing date but han the priority date claimed	"&" document member of the same paten	
Date of the	actual completion of the International search	Date of mailing of the international se	·
2	22 January 2004	1011 06.	2004
Name and	mailing address of the ISA	Authorized officer	
	European Patent Office, P.B. 5818 Patentiaan 2 NL - 2280 HV Rijswijk		

Intermonal Application No
PCT/US 03/28527

		PC1/05 03/2852/
	ation) DOCUMENTS CONSIDERED TO BE RELEVANT Cliation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Category °	Citation of document, with indication, where appropriate, or the relevant passages	Nelevan a Gain No.
X	KOBRIN, I. ET AL.: "Safety of Mibefradil, a New Once-a-Day, Selective T-Type Calcium Channel Antagonist" AMERICAN JOURNAL OF CARDIOLOGY, vol. 80, no. 4B, 1997, pages 40c-46c, XP002267729 usa the whole document	1-5,7,8
	·	
		·
	210 (continuation of second sheet) (January 2004)	

national application No. PCT/US 03/28527

Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)
This international Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
2. X Claims Nos.: Glaims Nos.: Decause they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically: See FURTHER INFORMATION sheet PCT/ISA/210
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
see additional sheet
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not Invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos::
4. X No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-4 (all partially) 5,7-8 (all partially)
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box 1.2

Claims Nos.: 9-11

Present claims 9-11 relate to an extremely large number of possible methods. In fact, the claims contain so many options, that a lack of clarity within the meaning of Article 6 PCT arises to such an extent as to render a meaningful search of the claims impossible.

Present claims 1-2,4,7 relate to an extremely large number of possible compounds and methods. Support within the meaning of Article 6 PCT and/or disclosure within the meaning of Article 5 PCT is to be found, however, for only a very small proportion of the compounds/methods claimed. In the present case, the claims so lack support, and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible. Consequently, the search has been carried out for those parts of the claims which appear to be supported and disclosed, namely those parts relating to the compounds/methods disclosed in the examples and closely related homologous compounds/methods

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-4(all partially),5,7-8(all partially)

Method of inhibiting calcium T-channel activity or treating hypertension by administering a compound of formula (I)

2. claims: 1-4(all partially),6,7-8(all partially)

Method of inhibiting calcium T.channel activity or treating hypertension by administering a compound of formula (II)

Interponal Application No PCT/US 03/28527

WO 0362201 A		31-07-2003	WO ·	· 03062201 A1	31-07-2003
	•		US	2003140058 A1	24-07-2003
•	•		US	2004006110 A1	08-01-2004

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